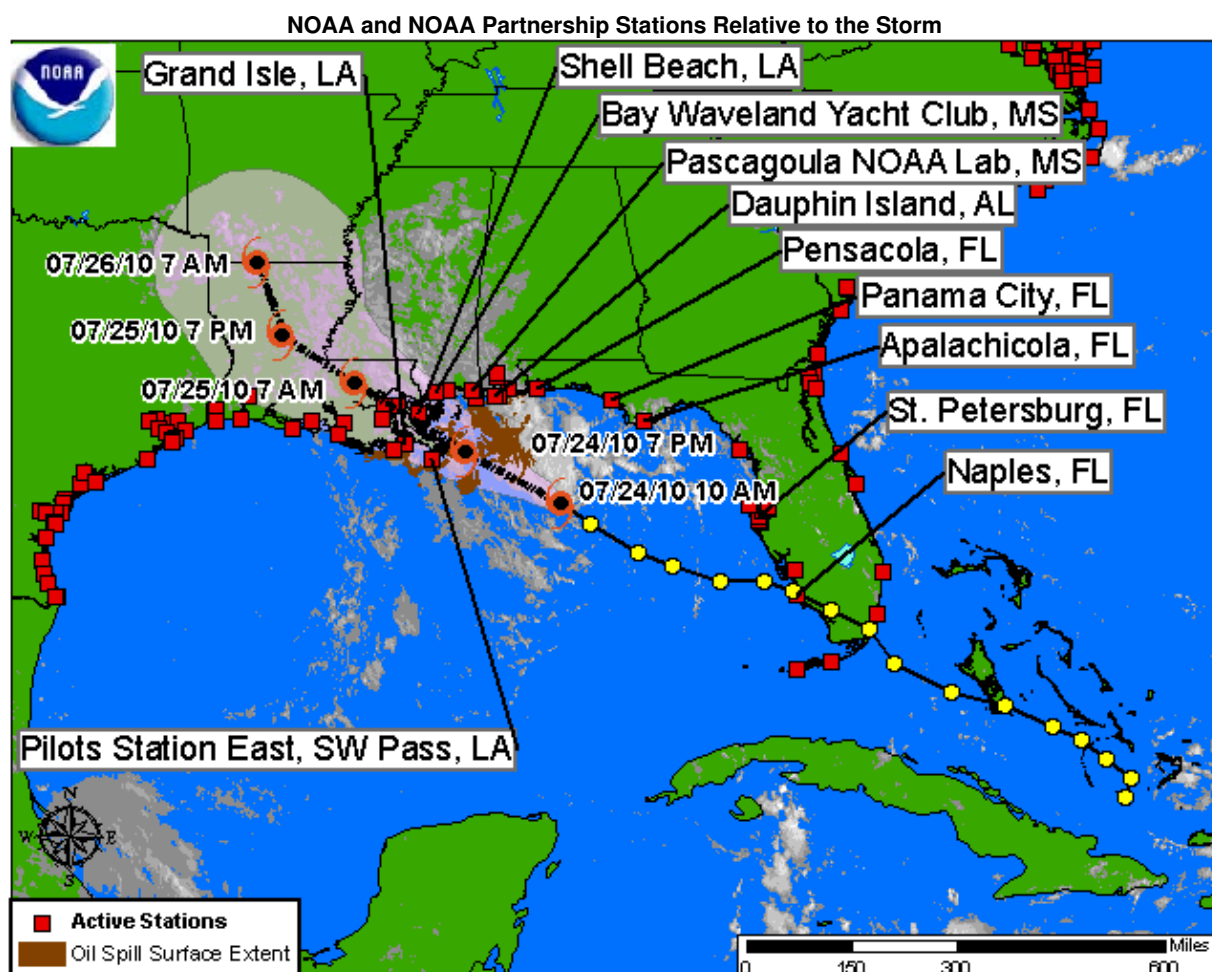




Tropical Depression BONNIE QuickLook
Posted: 11:00 CDT 07/24/2010



Storm Analysis

As of 07/24/2010 11:00 CDT, water levels are slightly elevated from Grand Isle, LA to Dauphin Island, AL and range between 0.4 and 0.8 feet above predictions. Water levels in Florida are at or near predicted. With the exception of St. Petersburg which is about 0.8 feet above predictions.

Wind speeds are generally ranging from 5 to 15 kts. Gusts of 40 kts were seen at Pilots Station East, LA. Barometric pressure is rising across the northern Gulf of Mexico.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Grand Isle, LA: Next predicted high tides are 1.30 ft (0.40 m) at 07/25/2010 09:59 CDT and 1.23 ft (0.37 m) at 07/26/2010 10:33 CDT.

Pilots Station East, LA: Next predicted high tides are 1.49 ft (0.45 m) at 07/25/2010 09:01 CDT and 1.41 ft (0.43 m) at 07/26/2010 09:28 CDT.

Shell Beach, LA: Next predicted high tides are 1.59 ft (0.48 m) at 07/24/2010 13:06 CDT and 1.52 ft (0.46 m) at 07/25/2010 14:00 CDT.

Bay Waveland, MS: Next predicted high tides are 2.04 ft (0.62 m) at 07/25/2010 11:58 CDT and 1.97 ft (0.60 m) at 07/26/2010 12:38 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.78 ft (0.54 m) at 07/25/2010 10:00 CDT and 1.66 ft (0.51 m) at 07/26/2010 10:32 CDT.

Dauphin Island, AL: Next predicted high tides are 1.49 ft (0.45 m) at 07/25/2010 10:28 CDT and 1.38 ft (0.42 m) at 07/26/2010 11:04 CDT.

Pensacola, FL: Next predicted high tides are 1.70 ft (0.52 m) at 07/25/2010 10:58 CDT and 1.59 ft (0.48 m) at 07/26/2010 11:31 CDT.

Panama City, FL: Next predicted high tides are 1.72 ft (0.52 m) at 07/25/2010 10:14 CDT and 1.63 ft (0.50 m) at 07/26/2010 10:52 CDT.

Apalachicola, FL: Next predicted high tides are 1.77 ft (0.54 m) at 07/24/2010 13:13 EDT and 1.47 ft (0.45 m) at 07/25/2010 05:15 EDT.

St. Petersburg, FL: Next predicted high tides are 2.66 ft (0.81 m) at 07/24/2010 13:06 EDT and 1.52 ft (0.46 m) at 07/25/2010 04:17 EDT.

Naples, FL: Next predicted high tides are 2.25 ft (0.69 m) at 07/25/2010 01:21 EDT and 3.25 ft (0.99 m) at 07/25/2010 12:13 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:MPM

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL DEPRESSION BONNIE ADVISORY NUMBER 9

1000 AM CDT SAT JUL 24 2010

**...BONNIE HANGING IN THERE WITH 30 MPH WINDS...TROPICAL STORM WARNINGS
DISCONTINUED...**

LOCATED NEAR LATITUDE 28.0 NORTH...LONGITUDE 86.7 WEST. ABOUT 165 MI...265 KM

**ESE OF THE MOUTH OF THE MISSISSIPPI RIVER ABOUT 155 MI...250 KM SW OF
APALACHICOLA FLORIDA**

WATCHES AND WARNINGS

NONE.

DISCUSSION AND 48-HOUR OUTLOOK

**AT 1000 AM CDT THE CENTER OF TROPICAL DEPRESSION BONNIE WAS LOCATED NEAR
LATITUDE 28.0 NORTH...LONGITUDE 86.7 WEST.ABOUT 165 MI...265 KM ESE OF THE
MOUTH OF THE MISSISSIPPI RIVER ABOUT 155 MI...250 KM SW OF APALACHICOLA
FLORIDA THE DEPRESSION IS MOVING TOWARD THE WEST-NORTHWEST NEAR 17
MPH...28 KM/HR. THIS GENERAL MOTION IS EXPECTED TO CONTINUE AS THE CENTER
MOVES INLAND OVER THE NORTHERN GULF COAST BETWEEN SOUTHEAST LOUISIANA
AND ALABAMA TONIGHT.**

**MAXIMUM SUSTAINED WINDS ARE BARELY 30 MPH WITH HIGHER GUSTS. THESE WINDS
ARE CONFINED TO A FEW RAINBANDS MAINLY TO THE NORTH OF THE CENTER. NO
CHANGE IN STRENGTH IS FORECAST BEFORE THE CENTER REACHES THE COAST. A
GRADUAL WEAKENING IS EXPECTED AS THE SYSTEM MOVES INLAND.**

**ESTIMATED MINIMUM CENTRAL PRESSURE FROM A RECONNAISSANCE AIRCRAFT WAS
1014 MB...29.94 INCHES.**

HAZARDS AFFECTING LAND

**WIND...ISOLATED GUSTS TO TROPICAL STORM FORCE WINDS IN SQUALLS ARE LIKELY
TO SPREAD OVER PORTIONS OF THE NORTHERN GULF COAST...FROM SOUTHEAST
LOUISIANA EASTWARD TO THE FAR WESTERN FLORIDA PANHANDLE LATER TODAY.**

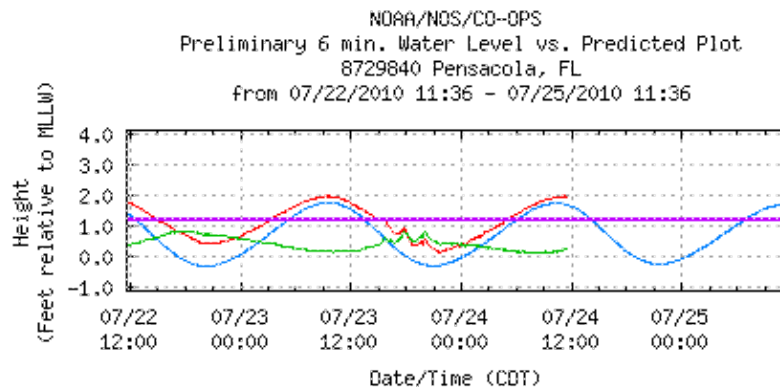
**RAINFALL...BONNIE IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 1
TO 2 INCHES OVER PORTIONS OF SOUTHERN LOUISIANA...SOUTHERN
ALABAMA...SOUTHERN MISSISSIPPI...AND THE FAR WESTERN FLORIDA
PANHANDLE...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 3 INCHES.**

FORECASTER AVILA/ROBERTS

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Pensacola - Water Level](#), [Pensacola - Winds](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Pascagoula NOAA Lab - Water Level](#), [Bay Waveland Yacht Club - Water Level](#), [Bay Waveland Yacht Club - Winds](#), [Bay Waveland Yacht Club - Barometric](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [Shell Beach - Air/Water Temp](#), [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Pilots Station East, SW Pass - Barometric](#), [Pilots Station East, SW Pass - Air/Water Temp](#), [Grand Isle - Water Level](#), [Grand Isle - Winds](#), [Grand Isle - Barometric](#), [Grand Isle - Air/Water Temp](#), [Panama City - Water Level](#), [Panama City - Winds](#), [Apalachicola - Water Level](#), [Apalachicola - Winds](#), [St. Petersburg - Water Level](#), [Naples - Water Level](#),

Pensacola, FL - [Return to List](#)



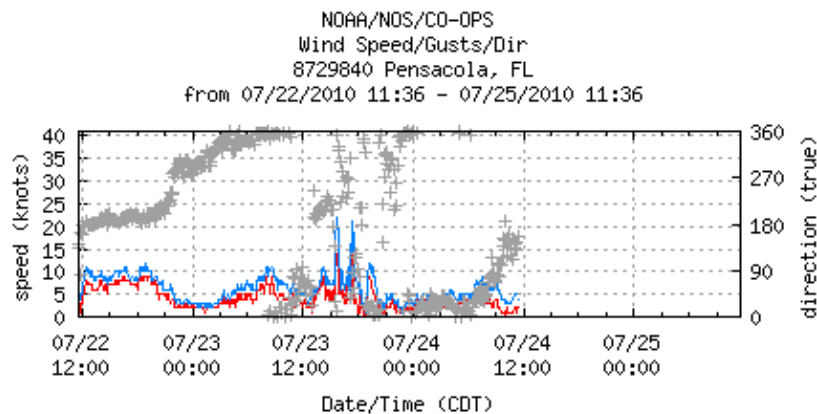
Predicted WL — (Obs-Pred) —
Observed WL — MHW —

Last Observed Sample: 07/24/2010 11:30 (CDT)

Relative to **MLLW**: **Observed: 1.96 ft. Predicted: 1.71 ft. Residual: 0.25 ft.**

Historical Maximum Water Level: Sep 18 1926, 7.41 ft. above **MHW**

Pensacola, FL - [Return to List](#)

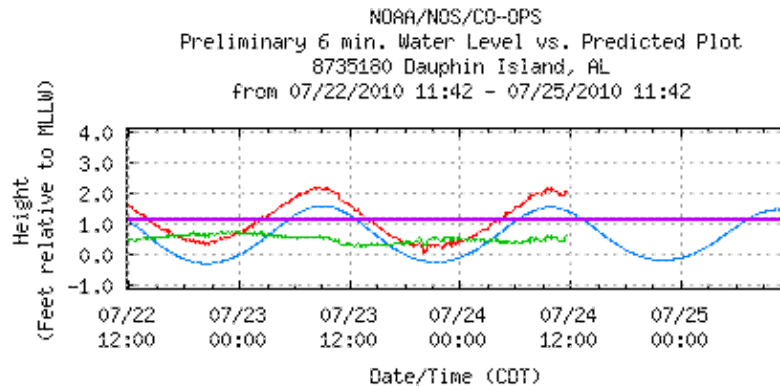


speed — gusts — direction +

Last Observed Sample: 07/24/2010 11:30 (CDT)

Wind Speed: 2 knots Gusts: 4 knots Direction: 156° T

Dauphin Island, AL - [Return to List](#)

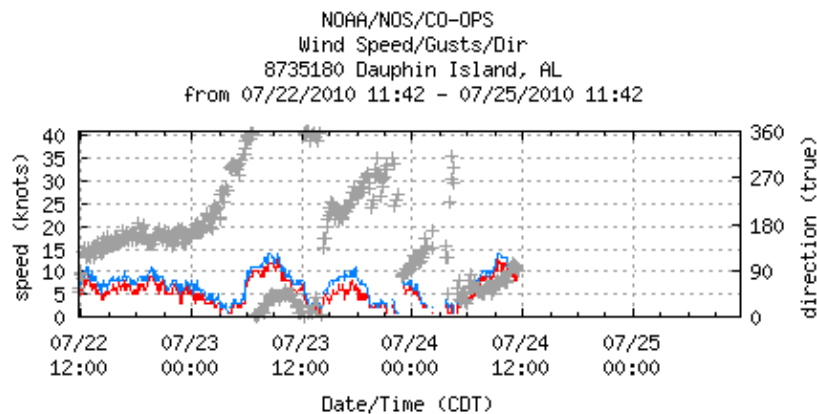


Last Observed Sample: 07/24/2010 11:30 (CDT)

Relative to **MLLW**: **Observed: 2.10 ft. Predicted: 1.46 ft. Residual: 0.64 ft.**

Historical Maximum Water Level: Sep 2 1985, 3.36 ft. above **MHHW**

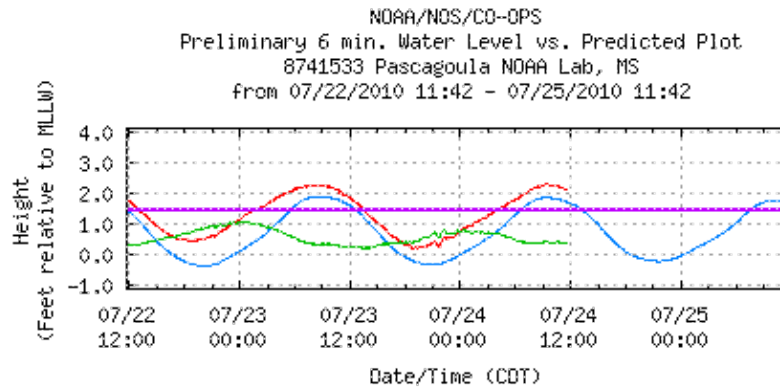
Dauphin Island, AL - [Return to List](#)



Last Observed Sample: 07/24/2010 11:30 (CDT)

Wind Speed: 9 knots Gusts: 11 knots Direction: 088° T

Pascagoula NOAA Lab, MS - [Return to List](#)

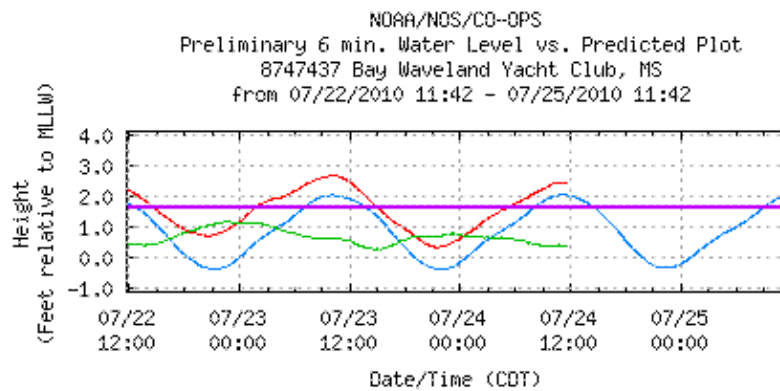


Last Observed Sample: 07/24/2010 11:30 (CDT)

Relative to **MLLW**: **Observed: 2.13 ft.** **Predicted: 1.74 ft.** **Residual: 0.39 ft.**

Historical Maximum Water Level: , 0 ft. above **MHHW**

Bay Waveland Yacht Club, MS - [Return to List](#)

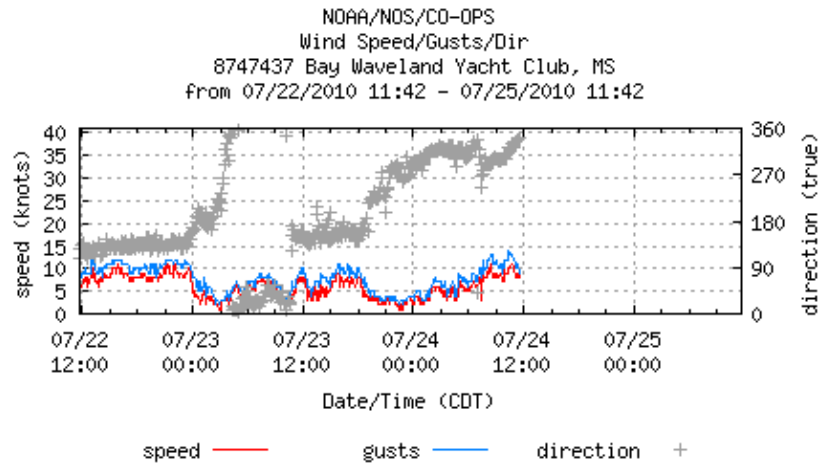


Last Observed Sample: 07/24/2010 11:30 (CDT)

Relative to **MLLW**: **Observed: 2.47 ft.** **Predicted: 2.05 ft.** **Residual: 0.42 ft.**

Historical Maximum Water Level: Oct 28 1985, 5.05 ft. above **MHHW**

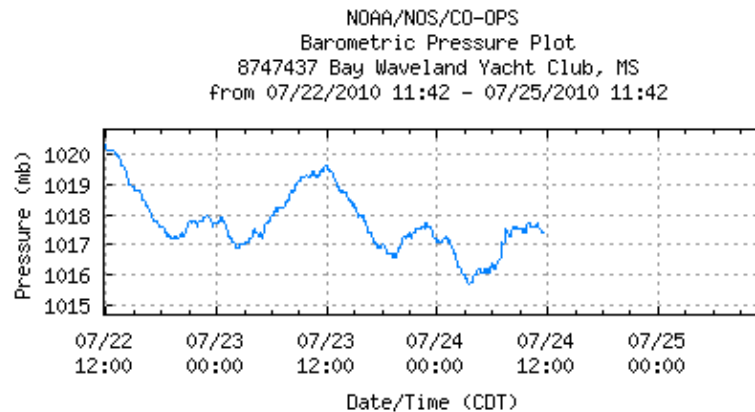
Bay Waveland Yacht Club, MS - [Return to List](#)



Last Observed Sample: 07/24/2010 11:30 (CDT)

Wind Speed: 8 knots Gusts: 9 knots Direction: 340° T

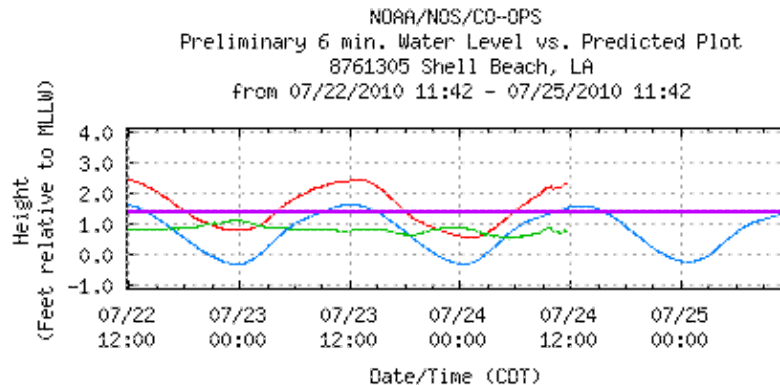
Bay Waveland Yacht Club, MS - [Return to List](#)



Last Observed Sample: 07/24/2010 11:30 (CDT)

Barometric Pressure: 1017.4 mb

Shell Beach, LA - [Return to List](#)

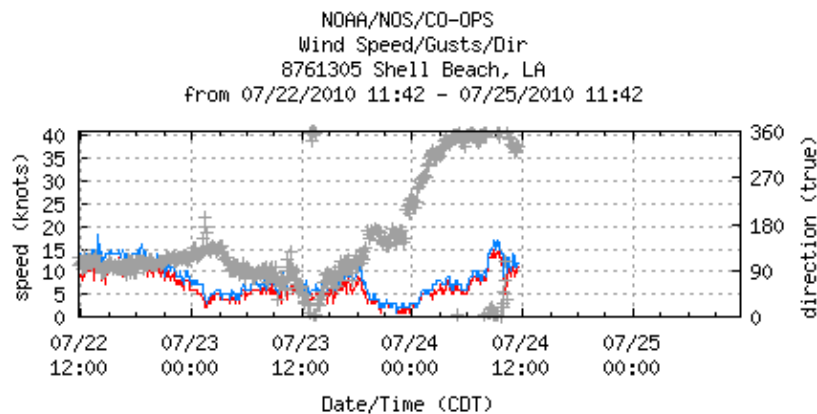


Last Observed Sample: 07/24/2010 11:30 (CDT)

Relative to **MLLW**: **Observed: 2.31 ft.** **Predicted: 1.53 ft.** **Residual: 0.78 ft.**

Historical Maximum Water Level: Sep 1 2008, 8.84 ft. above **MHHW**

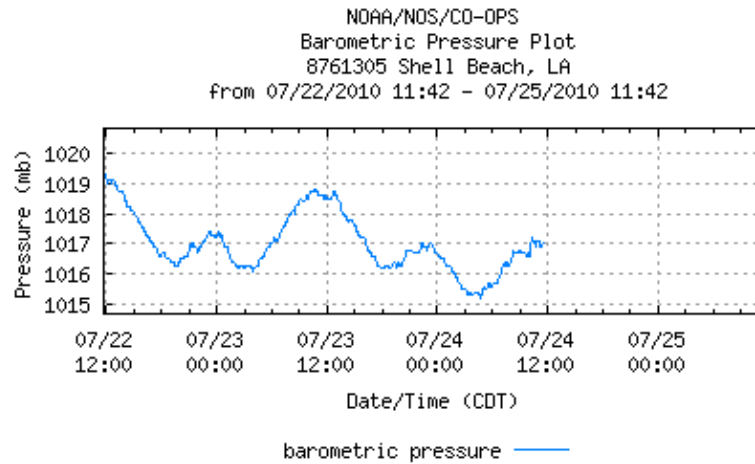
Shell Beach, LA - [Return to List](#)



Last Observed Sample: 07/24/2010 11:30 (CDT)

Wind Speed: 11 knots **Gusts: 12 knots** **Direction: 332° T**

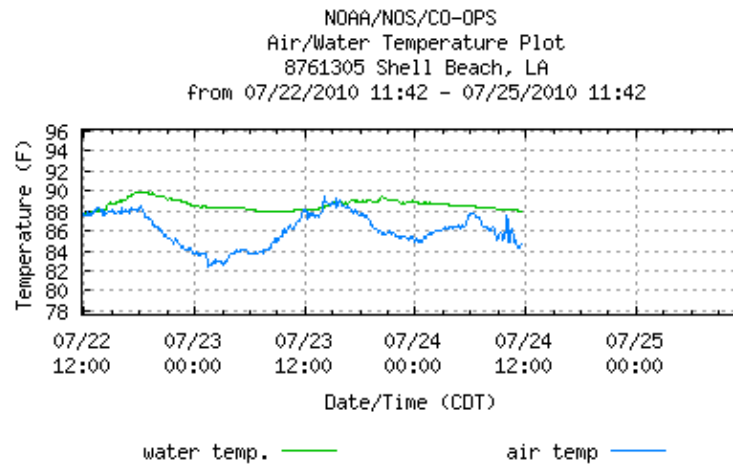
Shell Beach, LA - [Return to List](#)



Last Observed Sample: 07/24/2010 11:30 (CDT)

Barometric Pressure: 1017.0 mb

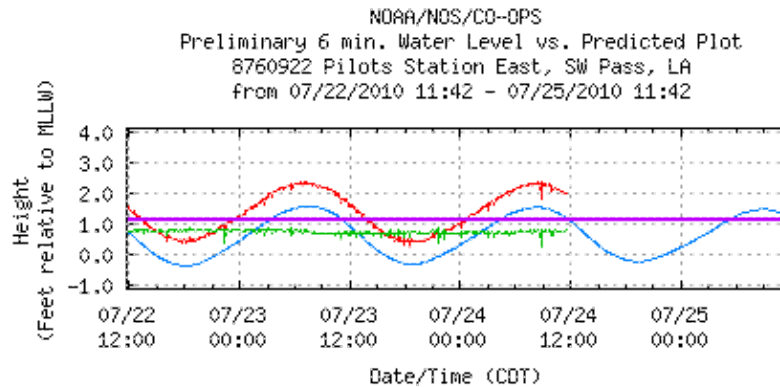
Shell Beach, LA - [Return to List](#)



Last Observed Sample: 07/24/2010 11:30 (CDT)

Water Temperature: 88.0° F Air Temperature: 84.6° F

Pilots Station East, SW Pass, LA - [Return to List](#)



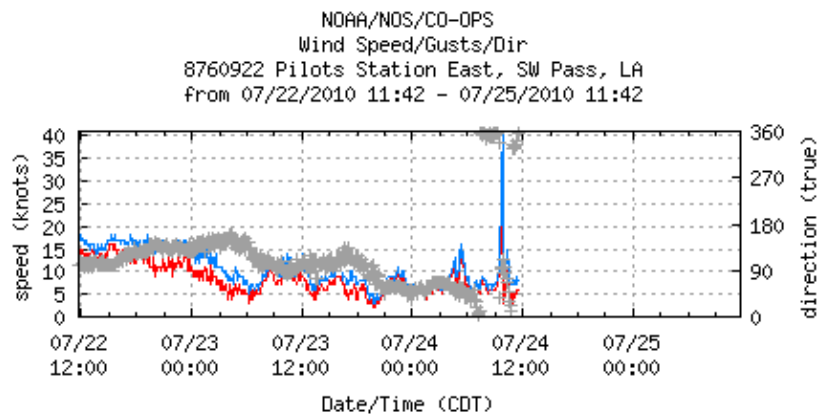
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 07/24/2010 11:30 (CDT)

Relative to **MLLW**: **Observed: 2.00 ft.** **Predicted: 1.20 ft.** **Residual: 0.80 ft.**

Historical Maximum Water Level: Aug 29 2005, 6.24 ft. above **MHHW**

Pilots Station East, SW Pass, LA - [Return to List](#)

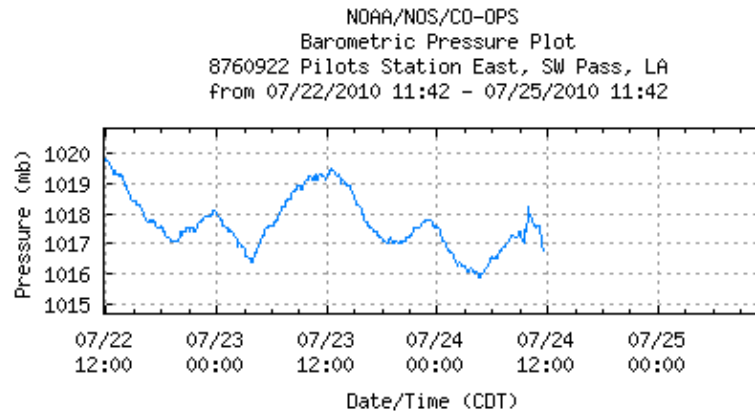


speed — gusts — direction +

Last Observed Sample: 07/24/2010 11:30 (CDT)

Wind Speed: 6 knots **Gusts: 8 knots** **Direction: 358° T**

Pilots Station East, SW Pass, LA - [Return to List](#)

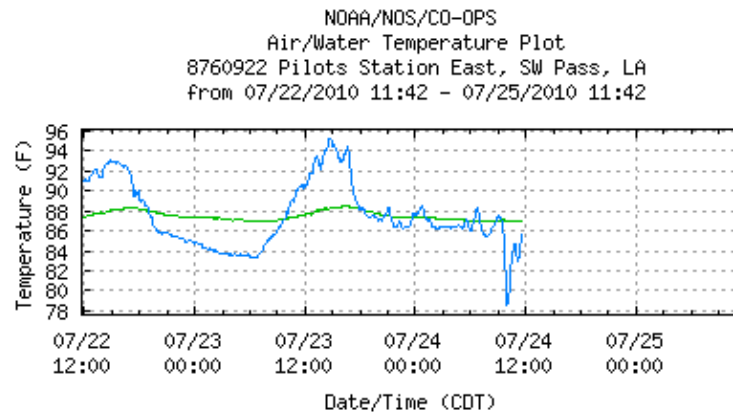


barometric pressure —

Last Observed Sample: 07/24/2010 11:30 (CDT)

Barometric Pressure: 1016.8 mb

Pilots Station East, SW Pass, LA - [Return to List](#)

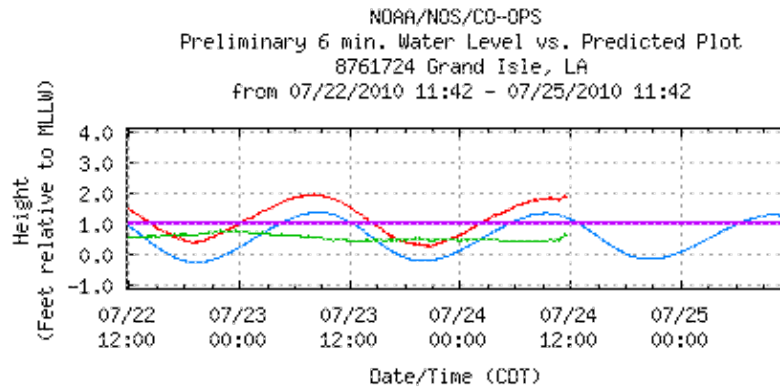


water temp. — air temp —

Last Observed Sample: 07/24/2010 11:30 (CDT)

Water Temperature: 86.9° F Air Temperature: 85.6° F

Grand Isle, LA - [Return to List](#)

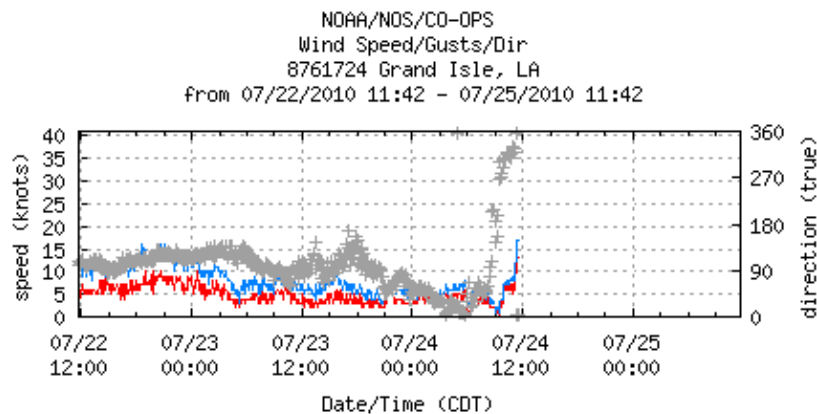


Last Observed Sample: 07/24/2010 11:30 (CDT)

Relative to **MLLW**: **Observed: 1.86 ft.** **Predicted: 1.23 ft.** **Residual: 0.63 ft.**

Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above **MHHW**

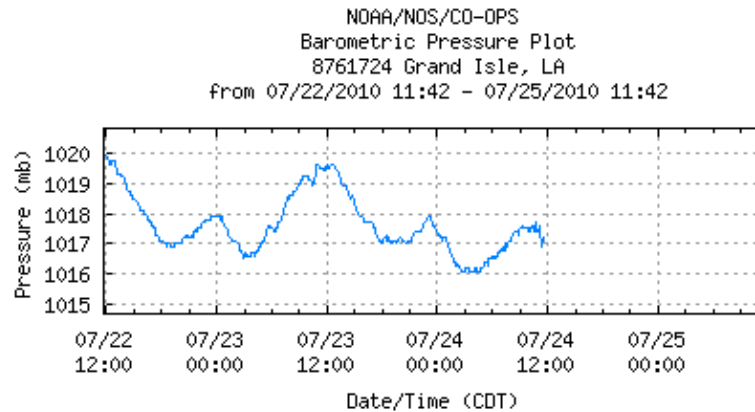
Grand Isle, LA - [Return to List](#)



Last Observed Sample: 07/24/2010 11:30 (CDT)

Wind Speed: 13 knots **Gusts: 17 knots** **Direction: 004° T**

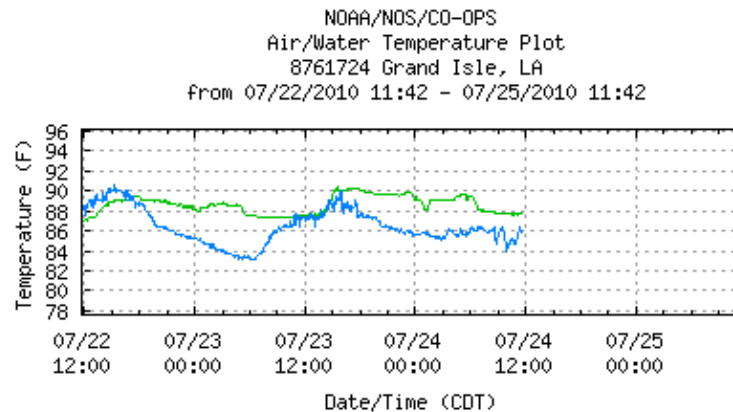
Grand Isle, LA - [Return to List](#)



Last Observed Sample: 07/24/2010 11:30 (CDT)

Barometric Pressure: 1017.2 mb

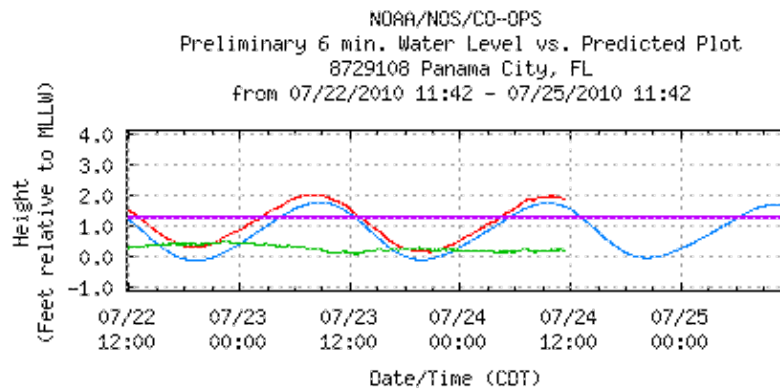
Grand Isle, LA - [Return to List](#)



Last Observed Sample: 07/24/2010 11:30 (CDT)

Water Temperature: 87.8° F Air Temperature: 85.8° F

Panama City, FL - [Return to List](#)

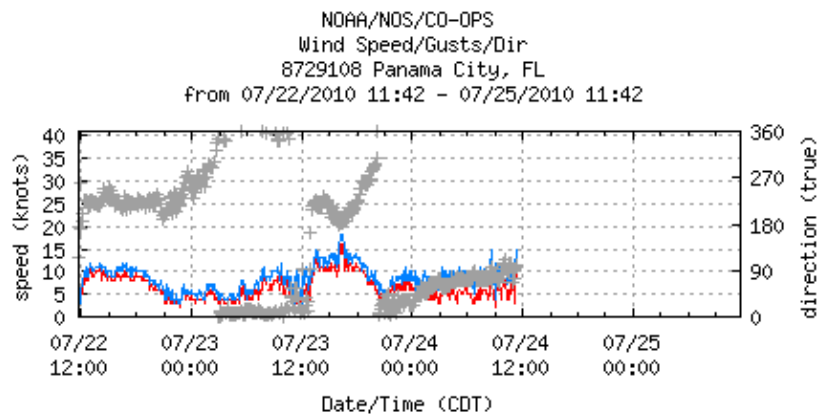


Last Observed Sample: 07/24/2010 11:24 (CDT)

Relative to **MLLW**: **Observed: 1.86 ft. Predicted: 1.64 ft. Residual: 0.22 ft.**

Historical Maximum Water Level: Oct 4 1995, 5.72 ft. above **MHHW**

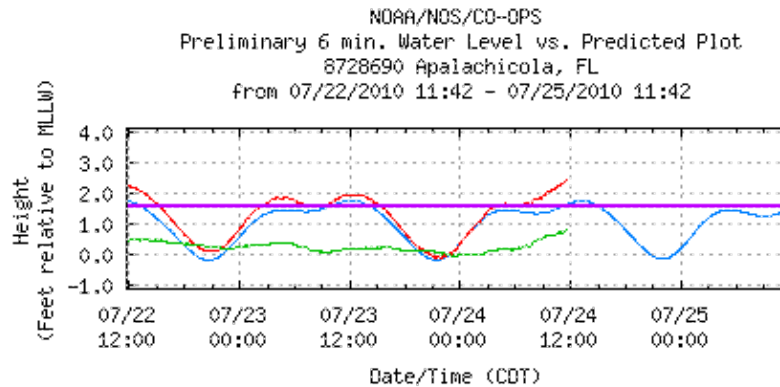
Panama City, FL - [Return to List](#)



Last Observed Sample: 07/24/2010 11:24 (CDT)

Wind Speed: 9 knots Gusts: 14 knots Direction: 098° T

Apalachicola, FL - [Return to List](#)

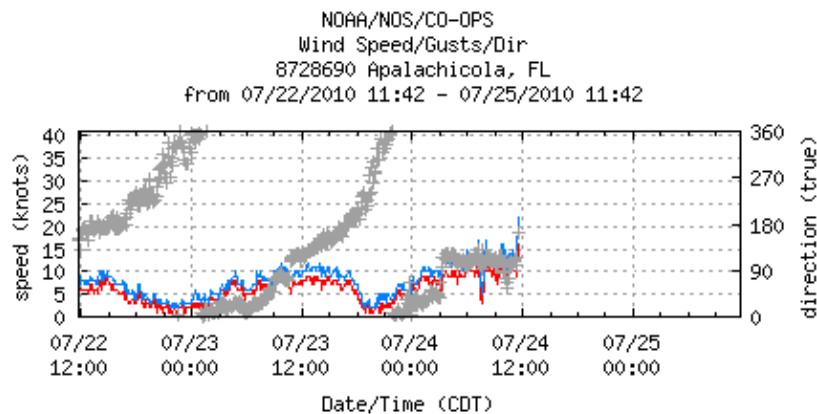


Last Observed Sample: 07/24/2010 11:30 (CDT)

Relative to **MLLW**: **Observed: 2.45 ft. Predicted: 1.64 ft. Residual: 0.81 ft.**

Historical Maximum Water Level: Nov 21 1985, 5.69 ft. above **MHHW**

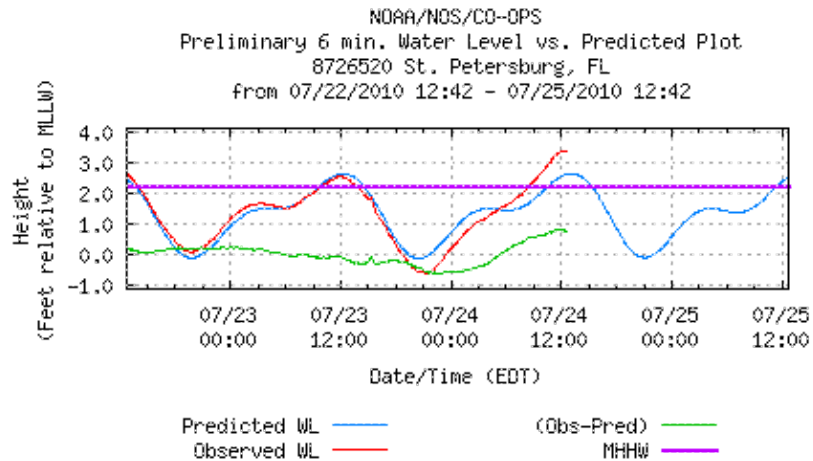
Apalachicola, FL - [Return to List](#)



Last Observed Sample: 07/24/2010 11:30 (CDT)

Wind Speed: 16 knots Gusts: 22 knots Direction: 162° T

St. Petersburg, FL - [Return to List](#)

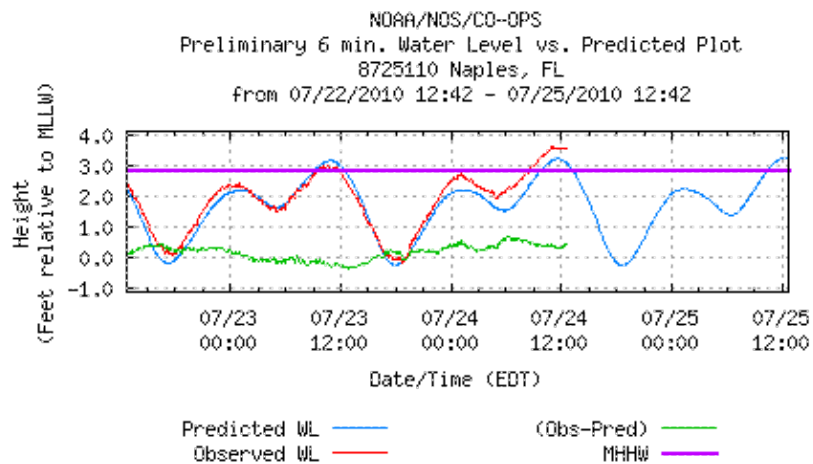


Last Observed Sample: 07/24/2010 12:30 (EDT)

Relative to **MLLW**: **Observed: 3.41 ft. Predicted: 2.63 ft. Residual: 0.78 ft.**

Historical Maximum Water Level: Aug 31 1985, 4 ft. above **MHHW**

Naples, FL - [Return to List](#)



Last Observed Sample: 07/24/2010 12:30 (EDT)

Relative to **MLLW**: **Observed: 3.54 ft. Predicted: 3.11 ft. Residual: 0.43 ft.**

Historical Maximum Water Level: Dec 21 1972, 3.11 ft. above **MHHW**

Tropical Depression BONNIE QuickLook, POSTED 11:00 CDT 07/24/2010

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce